

FIG. 1

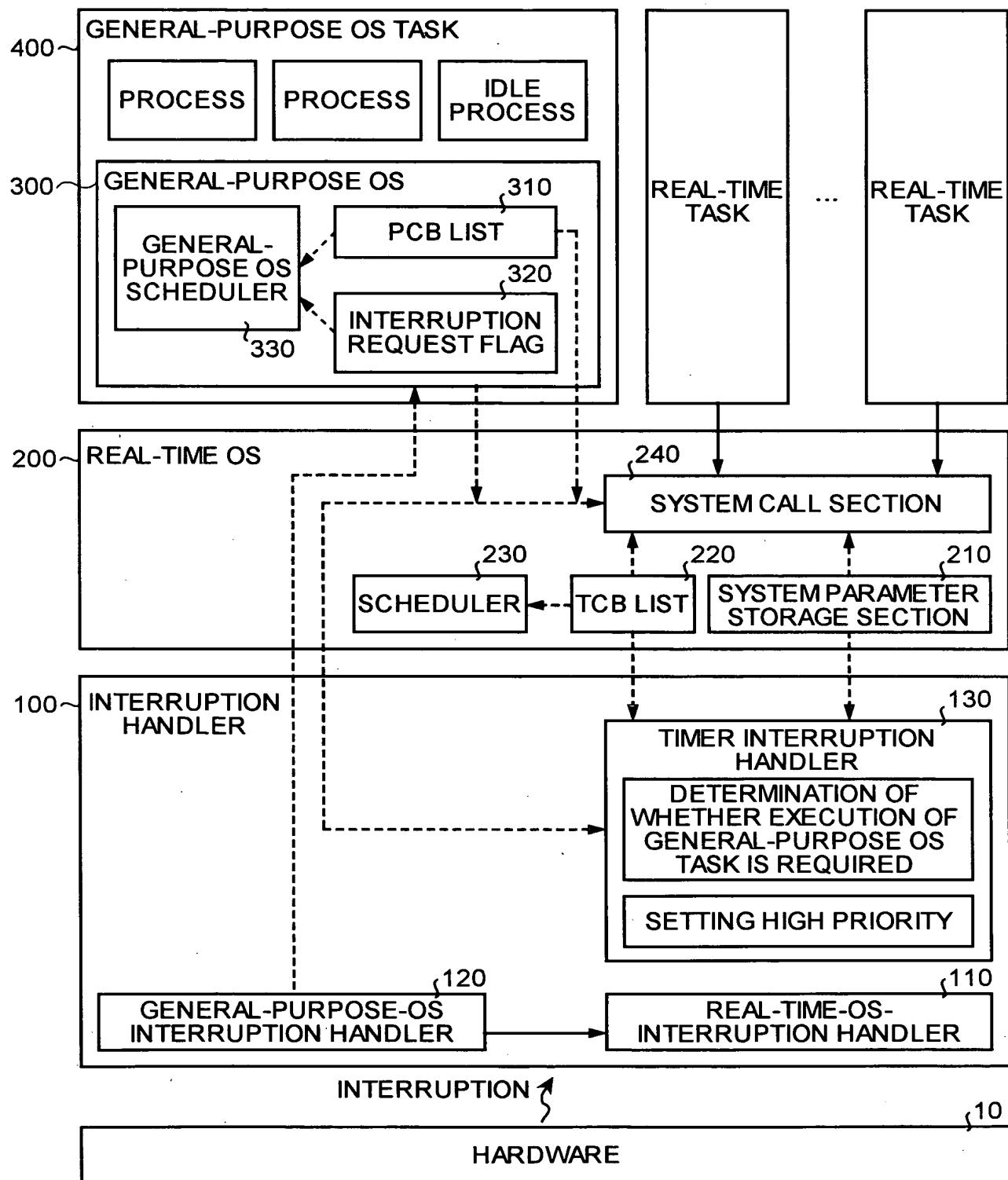


FIG.2

EQUILIBRATION PRIORITY	~401
EQUILIBRATION EXECUTION TIME	~402
DURATION TIME-OUT VALUE	~403

FIG.3

PRIMARY PRIORITY	~501
REAL PRIORITY	~502
EQUILIBRATION TIMER	~503
DURATION TIMER	~504

FIG.4

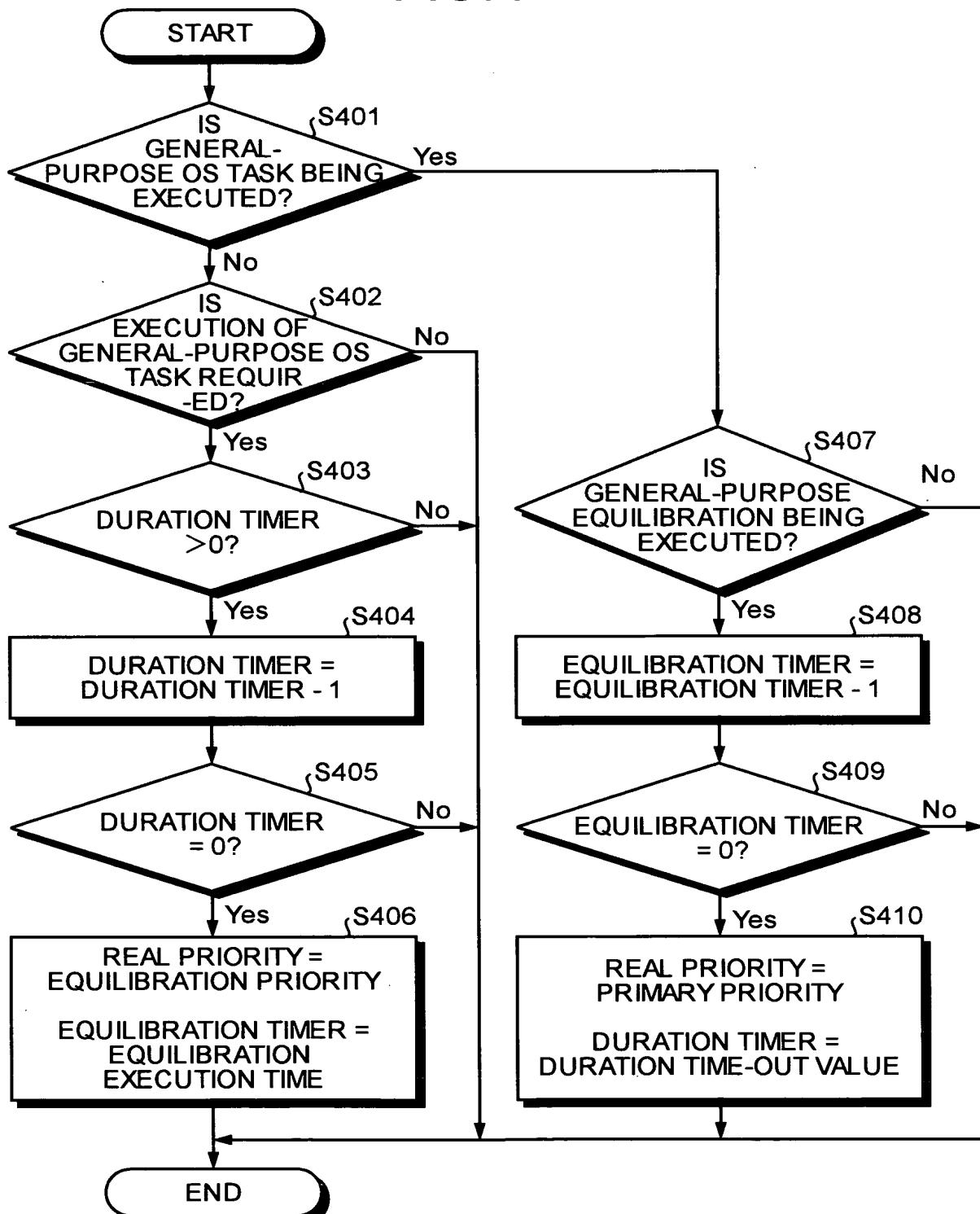
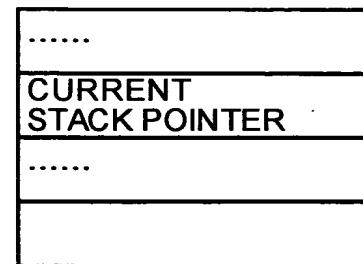
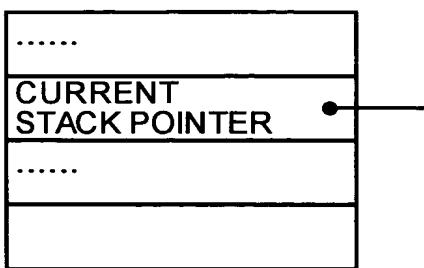
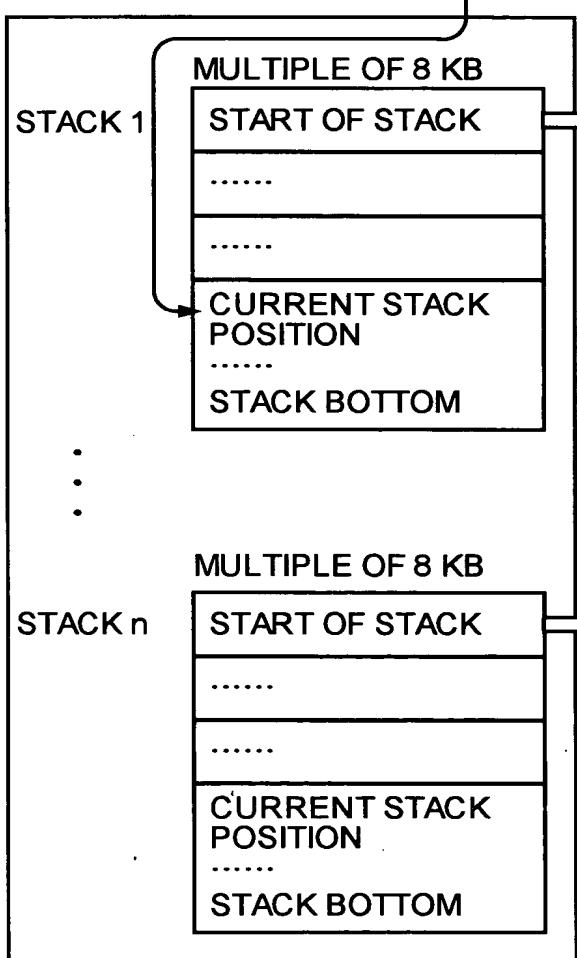


FIG.5

TCB MEMBER



STACK AREA



PCB1

PCB OF PROCESS
UNDER CONTROL OF
GENERAL-PURPOSE OS

MEMBER 1

MEMBER 2

PID

~601

SCHEDULE
REQUEST FLAG

~602

PCBn

MEMBER 1

MEMBER 2

PID

~601

SCHEDULE
REQUEST FLAG

~602

FIG.6

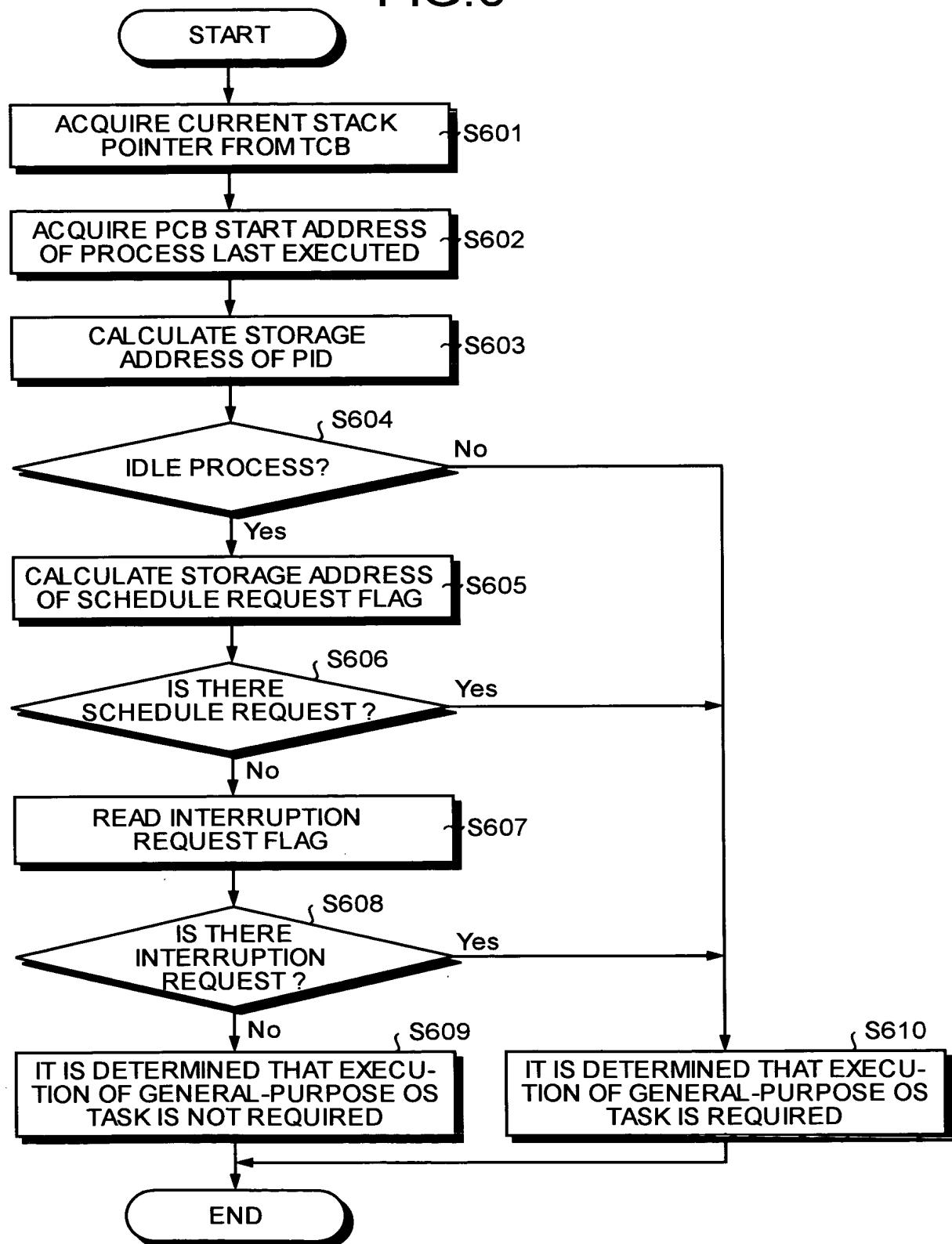


FIG.7

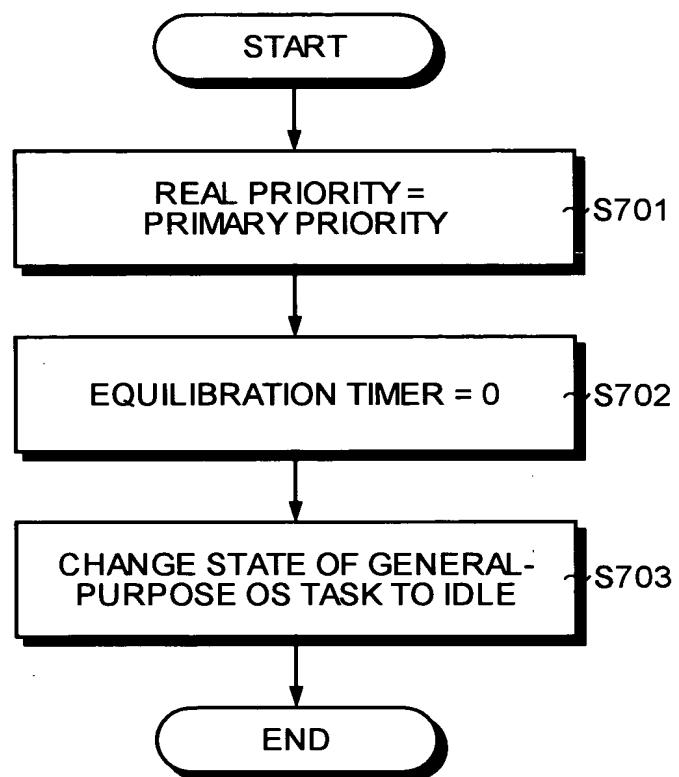


FIG.8

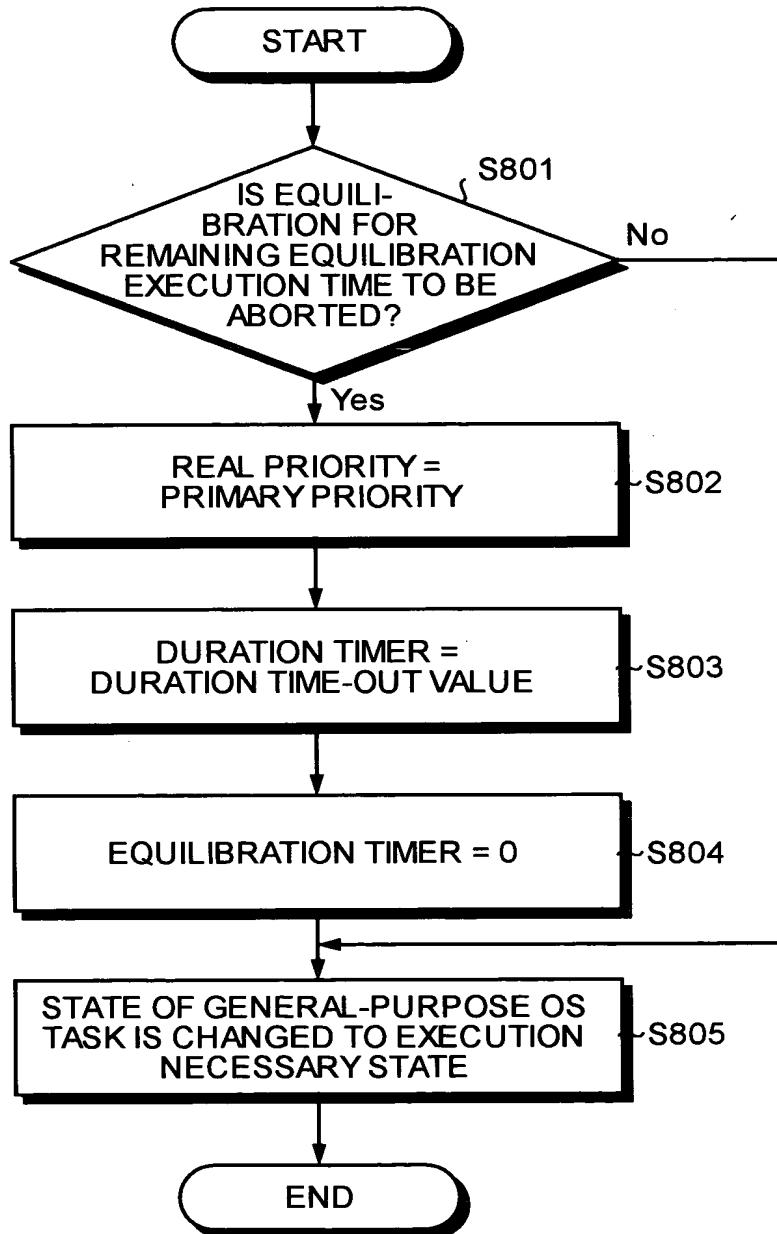


FIG.9

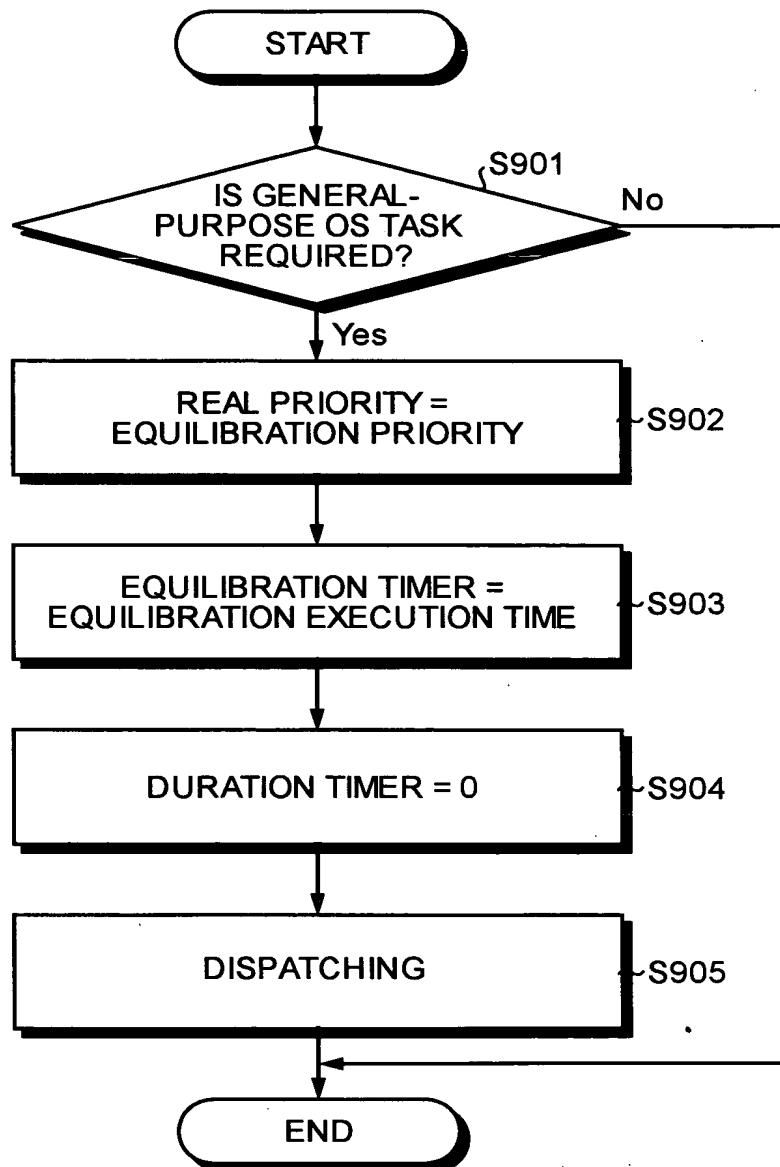


FIG. 10

STATE TRANSITION OF GENERAL-PURPOSE OS TASK, AND OPERATION RELATED TO REAL-TIME OS FOR EQUILIBRATION

		S1	S1 EXECUTION IS NECESSARY (PRIMARY PRIORITY)	S3 EXECUTION IS NECESSARY (EQUILIBRATION PRIORITY)	S4	S5
EVENT/ CONDITION	TRANSI- TION DESTI- NATION	TRANSI- TION DESTI- NATION	TRANSI- TION DESTI- NATION	TRANSI- TION DESTI- NATION	TRANSI- TION DESTI- NATION	TRANSI- TION DESTI- NATION
E1: TASK GENERATION	S2	REAL PRIORITY = PRIMARY PRIORITY DURATION TIMER = DURATION TIME- OUT VALUE START DURATION TIMER	OPERATION	OPERATION	OPERATION	OPERATION
E2: TIMER INTERRUPTION	—	—	—	—	—	—
E3: DURATION TIMER == 0	—	—	S2 DURATION TIMER-1	—	S4 IF EQUILIBRATION IS BEING EXECUTED EQUILIBRATION TIMER -1	—
E4: TASK SWITCHING	—	—	S4 STOP DURATION TIMER	S4 OPERATE EQUILIBRATION TIMER	S2 REAL PRIORITY = PRIMARY PRIORITY DURATION TIMER = DURATION TIME- OUT VALUE START DURATION TIMER	—
E5: EQUILIBRATION TIMER == 0	—	—	—	—	S2 REAL PRIORITY = PRIMARY PRIORITY STOP EQUILIBRA- TION TIMER	—
E6: RESOURCE WAITING	—	—	—	—	S5 REAL PRIORITY = PRIMARY PRIORITY STOP EQUILIBRA- TION TIMER	—
E7: CANCELLATION OF RESOURCE WAITING	—	—	—	—	—	S2 DURATION TIMER = DURATION TIME- OUT VALUE START DURATION TIMER
E8: EQUILIBRATION REQUEST SYSTEM CALL	—	—	S3 REAL PRIORITY = EQUILIBRATION PRIORITY EQUILIBRATION TIMER = EQUIL- IBRATION EXECU- TION TIME	—	—	—

FIG.11

